

- Sadofsky and Alwine, *Molecular and Cellular Biology*, 4(8):1460-1468, 1984.
- Sambrook *et al.*, *In: Molecular Cloning: A Laboratory Manual*, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, 1989.
- Sanchis, Lereclus, Menou, Chaufaux, Lecadet, *Mol. Microbiol.*, 2:393-404, 1988.
- 5 Sanchis, Lereclus, Menou, Chaufaux, Guo, Lecadet, *Mol. Microbiol.*, 3:229-238, 1989.
- Sanders *et al.*, *Nucl. Acids Res.*, 15(4):1543, 1987.
- Sarver *et al.*, "Ribozymes as potential anti-HIV-1 therapeutic agents," *Science*, 247:1222-1225, 1990.
- Scanlon *et al.*, *Proc. Natl. Acad. Sci. USA*, 88:10591-5, 1991.
- 10 Scaringe *et al.*, *Nucl. Acids Res.*, 18:5433-5441, 1990.
- Schnepf and Whitely, *Proc. Natl. Acad. Sci. USA*, 78:2893-2897, 1981.
- Schnepf *et al.*, *J. Biol. Chem.*, 260:6264-6272, 1985.
- Schuler *et al.*, *Nucl. Acids Res.*, 10(24):8225-8244, 1982.
- Segal, *In: Biochemical Calculations*, 2nd Edition, John Wiley & Sons, New York, 1976.
- 15 Shaw and Kamen, *Cell*, 46:659-667, 1986.
- Shaw and Kamen, *In: RNA Processing*, Cold Spring Harbor Laboratory, p. 220, 1987.
- Simpson, *Science*, 233:34, 1986.
- Smedley and Ellar, "Mutagenesis of three surface-exposed loops of a *Bacillus thuringiensis* insecticidal toxin reveals residues important for toxicity, receptor recognition and possibly membrane insertion," *Microbiology*, 142:1617-1624, 20 1996.
- Smith and Ellar, "Mutagenesis of two surface-exposed loops of the *Bacillus thuringiensis* Cry1C δ -endotoxin affects insecticidal specificity," *Biochem. J.*, 302:611-616, 1994.
- 25 Smith, Merrick, Bone, Ellar, *Appl. Environ. Microbiol.*, 62:680-684, 1996.
- Spielmann *et al.*, *Mol. Gen. Genet.*, 205:34, 1986.
- Stemmer, "DNA shuffling by random fragmentation and reassembly: in vitro recombination for molecular evolution," *Proc. Natl. Acad. Sci. U. S. A.*, 91(22):10747-10751, 1994.

- Taira *et al.*, *Nucl. Acids Res.*, 19:5125-30, 1991.
- Tomic *et al.*, *Nucl. Acids Res.*, 12:1656, 1990.
- Toriyama *et al.*, *Theor. Appl. Genet.*, 73:16, 1986.
- Trolinder and Goodin, *Plant Cell Reports*, 6:231-234, 1987.
- 5 Tsurushita and Korn, *In: RNA Processing*, Cold Spring Harbor Laboratory, p. 215, 1987.
- Turner *et al.*, *Nucleic Acids Res.*, 14:8, 3325, 1986.
- Uchimiya *et al.*, *Mol. Gen. Genet.*, 204:204, 1986.
- Upender *et al.*, *Biotechniques*, 18:29-31, 1995.
- Usman and Cedergren, *Trends in Biochem. Sci.*, 17:334, 1992.
- 10 Vaeck *et al.*, *Nature*, 328:33, 1987.
- Van Tunen *et al.*, *EMBO J.*, 7:1257, 1988.
- Vasil *et al.*, "Herbicide-resistant fertile transgenic wheat plants obtained by
microprojectile bombardment of regenerable embryogenic callus," *Biotechnology*,
10:667-674, 1992.
- 15 Vasil, *Biotechnology*, 6:397, 1988.
- Velten and Schell, *Nucl. Acids Res.*, 13:6981-6998, 1985.
- Velten *et al.*, *EMBO J.*, 3:2723-2730, 1984.
- Ventura *et al.*, *Nucl. Acids Res.*, 21:3249-55, 1993.
- Visser *et al.*, *Mol. Gen. Genet.*, 212:219-224, 1988.
- 20 Vodkin *et al.*, *Cell*, 34:1023, 1983.
- Vogel *et al.*, *J. Cell Biochem. Suppl.*, 13D:312, 1989.
- Von Tersch *et al.*, *Appl. Environ. Microbiol.*, 60:3711-3717, 1994.
- Wagner, Zatloukal, Cotten, Kirlappos, Mechtler, Curiel, Birnstiel, "Coupling of
adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-
mediated gene delivery and expression of transfected genes," *Proc. Natl. Acad.*
25 *Sci. USA*, 89(13):6099-6103, 1992.
- Walker *et al.*, *Proc. Natl. Acad. Sci. USA*, 89(1):392-396, 1992.
- Walters *et al.*, *Biochem. Biophys. Res. Commun.*, 196:921-926, 1993.
- Watson *et al.*, *In: Molecular Biology of the Gene*, 4th Ed., W. A. Benjamin, Inc., Menlo
30 Park, CA, 1987.

Webb *et al.*, *Plant Sci. Letters*, 30:1, 1983.

Weerasinghe *et al.*, *J. Virol.*, 65:5531-4, 1991.

Weissbach and Weissbach, *In: Methods for Plant Molecular Biology*, Academic Press, Inc., San Diego, CA, 1988.

5 Wenzler *et al.*, *Plant Mol. Biol.*, 12:41-50, 1989.

Wickens and Stephenson, *Science*, 226:1045, 1984.

Wickens *et al.*, *In: RNA Processing*, Cold Spring Harbor Laboratory, p. 9, 1987.

Wiebauer *et al.*, *Molecular and Cellular Biology*, 8(5):2042-2051, 1988.

Wolfersberger *et al.*, *Appl. Environ. Microbiol.*, 62:279-282, 1996.

10 Wong and Neumann, "Electric field mediated gene transfer," *Biochim. Biophys. Res. Commun.* 107(2):584-587, 1982.

Wu and Aronson, "Localized mutagenesis defines regions of the *Bacillus thuringiensis* δ -endotoxin involved in toxicity and specificity," *J. Biol. Chem.*, 267:2311-2317, 1992.

15 Wu and Dean, "Functional significance of loops in the receptor binding domain of *Bacillus thuringiensis* CryIIIA δ -endotoxin," *J. Mol. Biol.*, 255:628-640, 1996.

Yamada *et al.*, *Plant Cell Rep.*, 4:85, 1986.

Yamamoto and Iizuka, *Arch. Biochem. Biophys.*, 227(1):233-241, 1983.

Yang *et al.*, *Proc. Natl. Acad. Sci. USA*, 87:4144-48, 1990.

20 Yu *et al.*, *Proc. Natl. Acad. Sci. USA*, 90:6340-4, 1993.

Zatloukal, Wagner, Cotten, Phillips, Plank, Steinlein, Curiel, Birnstiel,

"Transferrinfection: a highly efficient way to express gene constructs in eukaryotic cells," *Ann. N. Y. Acad. Sci.*, 660:136-153, 1992.

Zhou *et al.*, *Methods Enzymol.*, 101:433, 1983.

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All of the compositions and methods disclosed and claimed herein can be made and executed without undue experimentation in light of the present disclosure. While the compositions and methods of this invention have been described in terms of preferred
30 embodiments, it will be apparent to those of skill in the art that variations may be applied